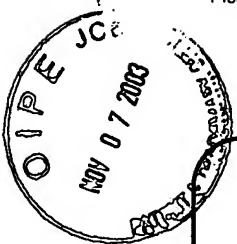


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Applicati n Number	10/040,948
	Filing Date	1/5/02
	First Named Inventor	Steven Teig
	Group Art Unit	2812
	Examiner Name	Stacy A. Whitmore
Total Number of Pages in This Submission		Attorney Docket Number SPLX.P0025

Enclosures (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
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Date	November 5, 2003

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PATENT
Docket No. SPLX.P0025

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Mani Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 10/040,948

Filing Date: 1/5/02

For: LP METHOD AND APPARATUS FOR
IDENTIFYING ROUTES

**INFORMATION DISCLOSURE
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Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to

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the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. A fee is required. A fee in the amount of \$180 is enclosed.

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Dated: November 5, 2003

Respectfully submitted,

By: 

Mani Adeli

Registration No. 39,585

Stattler, Johansen & Adeli LLP

P.O. Box 51860

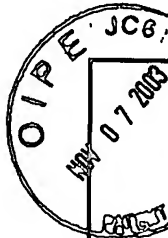
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				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	1	of	6	Attorney Docket Number	SPLX.P0025

U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2001/0009031	A1	07-19-2001	Nitta et al.	
	2.	4,593,363		06-03-1986	Burstein et al.	
	3.	5,267,176		11-30-1993	Antreich et al.	
	4.	5,566,078		10-15-1996	Ding et al.	
	5.	5,587,923		12-24-1996	Wang	
	6.	5,618,744		04-08-1997	Suzuki et al.	
	7.	5,635,736		06-03-1997	Funaki et al.	
	8.	5,637,920		06-10-1997	Loo	
	9.	5,640,327		06-17-1997	Ting	
	10.	5,784,289		07-28-1998	Wang	
	11.	5,798,936		08-25-1998	Cheng	
	12.	5,838,583		11-1998	Varadarajan et al.	
	13.	5,980,093		11-09-1999	Jones et al.	
	14.	6,070,108		05-30-2000	Andreev et al.	
	15.	6,150,193		11-21-2000	Glenn	
	16.	6,209,123	B1	03-27-2001	Maziasz et al.	
	17.	6,219,832	B1	04-17-2001	Buzbee	
	18.	6,249,902	B1	06-19-2001	Igusa et al.	
	19.	6,253,363	B1	06-26-2001	Gasarov et al.	
	20.	6,295,634	B1	09-25-2001	Matsumoto	
	21.	6,307,256		10-23-2001	Chiang et al.	

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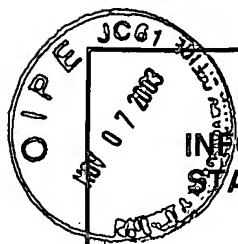
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				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	2	of	6	Attorney Docket Number	SPLX.P0025

U.S. PATENT DOCUMENTS						
	22.	6,316,838	B1	11-13-2001	Ozawa et al.	
	23.	6,324,674	B2	11-27-2001	Andreev et al.	
	24.	6,324,675	B1	11-27-2001	Dutta et al.	
	25.	6,327,693	B1	12-04-2001	Cheng et al.	
	26.	6,330,707		12-11-2001	Shinomiya et al.	
	27.	6,407,434	B1	06-18-2002	Rostoker et al.	
	28.	6,415,422	B1	07-02-2002	Mehrotra et al.	
	29.	6,442,743	B1	08-27-2002	Sarrafzadeh et al.	
	30.	6,448,591	B1	09-10-2002	Juengling	
	31.	6,473,891	B1	10-29-2002	Shively	
	32.	6,480,991	B1	11-12-2002	Cho et al.	
	33.	6,490,713	B2	12-03-2002	Matsumoto	
	34.	6,546,540	B1	04-08-2003	Igarashi et al.	
	35.	6,557,145	B2	04-29-2003	Boyle et al.	
	36.	6,567,967	B2	05-20-2003	Greidinger et al.	

FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known)				
	37.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	38.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English	√

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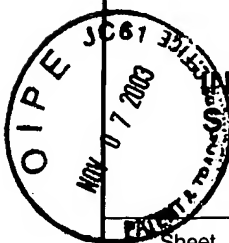
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Filing Dat	1/5/02
				First Named Inv nt r	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
Sheet	3	of	6	Attorney Docket Number	SPLX.P0025

FOREIGN PATENT DOCUMENTS								
							translation of the application.	
39.	JP	H03-173471	A	Tawada et al.	07-26-1991		with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
40.	JP	H05-243379	A	Masako Kubota	09-21-1993		with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
41.	JP	H05-102305	A	Akihiro Sato	04-23-1993		with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
42.	JP	H07-86407	A	Shinpei Miura	03-31-1995		with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
43.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997		with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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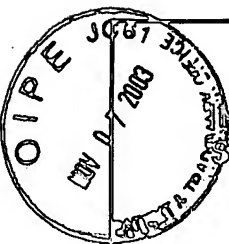
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	4	of	6	Application Number	10/040,948
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
				Attorney Docket Number	SPLX.P0025

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	44.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
	45.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.	
	46.	Brambilla, A. et al., Statistical Method for the Analysis of Interconnects Delay in Submicrometer Layouts, IEEE, 8/2001, pp. 957-966.	
	47.	Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.	
	48.	Chen, H. et al., Physical Planning of On-Chip Interconnect Architectures, 2002, IEEE, International Conference, pp. 30-35.	
	49.	Cheng, K. et al., Manhattan or Non Manhattan? A Study of Alternative VLSI Routing Architectures, pp 47-52, 2000.	
	50.	Cheng, K., Steiner Problem in Octilinear Routing Model, a Thesis Submitted for the Degree of Master of Science, National University Singapore, 1995, pp. 1-122.	
	51.	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, iss. 3A, pp. 929-933.	
	52.	Cong, J. et al., Efficient Heuristics for the Minimum Shortest Path Steiner Arborescence Problem with Applications to VLSI Physical Design, Cadence Design Systems and UCLA Computer Science Department, pp.88-95.	
	53.	Cong, J. et al., Performance-Driven Multi-Layer General Routing for PCB/MCM Designs, UCLA Computer Science Department, 1998, pp. 356-361.	
	54.	Enbody, R. et al., Near-Optimal n-Layer Channel Routing, 23 rd Design Automation Conference, 1986, pp. 708-714.	
	55.	Fang, S. et al., Constrained Via Minimization with Practical Considerations for Multi-Layer VLSI/PCB Routing Problems, 28 th ACM/IEEE Design Automation Conference, 1991, pp. 60-65.	
	56.	Hom, I. et al., Estimation of the Number of Routing Layers and Total Wirelength in a PCB Through Wiring Distribution Analysis, 1996, pp. 1-6.	

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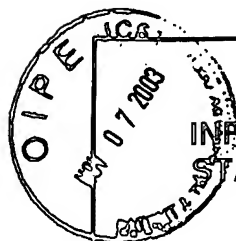
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Sheet	5	of	6	Application Number	10/040,948
				Filing Date	1/5/02
				First Named Inventor	Steven Teig
				Group Art Unit	2812
				Examiner Name	Stacy A. Whitmore
				Attorney Docket Number	SPLX.P0025

FOREIGN PATENT DOCUMENTS

57.	Hong, X. et al., Performance-Driven Steiner Tree Algorithms for Global Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 177-181.	
58.	Khoo, K. et al., An Efficient Multilayer MCM Router Based on Four-Via Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 590-595.	
59.	Lillis, J. et al., Table-Lookup Methods for Improved Performance-Driven Routing, 1998, pp. 368-373.	
60.	Lipski, W. et al., A Unified Approach to Layout Wirability, Mathematical Systems Theory, 1987, pp. 189-203.	
61.	Lodi, E. et al., A Preliminary Study of a Diagonal Channel-Routing Model, Algorithmica, 1989, pp.585-597.	
62.	Lodi, E. et al., Lecture Notes in Computer Science, A 4d Channel Router for a Two Layer Diagonal Model, pp. 464-476, July 1988.	
63.	Naclerio, N. et al., Via Minimization for Gridless Layouts, 24 th ACM/IEEE Design Automation Conference, 1987, pp. 159-165.	
64.	Nam, G. et al, Satisfiability-Based Layout Revisited: Detailed Routing of Complex FPGAs Via Search-Based Boolean SAT, 1999, pp. 167-175..	
65.	Oh, J. et al., Constructing Lower and Upper Bounded Delay Routing Trees Using Linear Programming, 33 rd Design Automation Conference, 1996.	
66.	Partitioning Logic on to Graph Structure, IBM Technical Disclosure Bulletin, February 1990, vol. 32, iss. 9A, pp. 469-475.	
67.	Phillips, N., Channel Routing by Constraint Logic, Department of Computer Science Southern Illinois University, ACM, 1992.	
68.	Takashima, Y. et al, Routability of FPGAs with Extremal Switch-Block Structures, IEICE Trans. Fundamentals, vol. E81-A, No. 5, May 1998, pp. 850-856.	
69.	Thakur, S. et al., Algorithms for a Switch Module Routing Problem, 1994, pp. 265-270.	
70.	Tseng, H., Timing and Crosstalk Driven Area Routing, pp. 378-381.	

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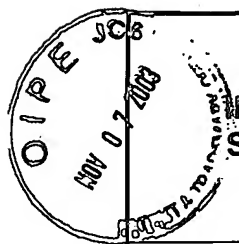
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				Filing Date 1/5/02
				First Named Inventor Steven Teig
				Group Art Unit 2812
				Examiner Name Stacy A. Whitmore
Sheet	6	of	6	Attorney Docket Number SPLX.P0025

FOREIGN PATENT DOCUMENTS			
	71.	Wang, D., Novel Routing Schemes for IC Layout, Part I: Two-Layer Channel Routing, 28 th ACM/IEEE Automation Conference, 1991, pp. 49-53.	
	72.	Wang, M. et al., Modeling and Minimization of Routing Congestion, Jan. 2000, IEEE proceedings of ASP-DAC, Asia and South Pacific, pp. 185-190.	
	73.	Wood, G. et al., FPGA Routing and Routability Estimation Via Boolean Satisfiability, Department of Electrical and Computer Engineering Carnegie Mellon University, Pittsburgh, PA, pp. 119-125.	
	74.	Zhang, C.X. et al., Floorplan Design Using a Hierarchical Neural Learning Algorithm, IEEE, 6/1991. pp. 2060-2063.	
	75.	Zhou, H. et al., An Optimal Algorithm for River Routing with Crosstalk Constraints, 1996.	
	76.	Zhou, H. et al., Global Routing with Crosstalk Constraints, Department of Computer Sciences, University of Texas, 1998, pp. 374-377.	
	77.	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.	

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